

Patent claims

1. A polyester film which has a base layer (B) and comprises at least one overlayer (A), wherein the overlayer (A) comprises poly(m-xylenedipamide).
2. The polyester film as claimed in claim 1, wherein the overlayer (A) comprises from 5 to 100% by weight of poly(m-xylenedipamide), based on the weight of the overlayer (A).
3. The polyester film as claimed in claim 1, wherein not only the overlayer (A) but also the base layer (B) comprises poly(m-xylenedipamide).
4. The polyester film as claimed in claim 3, wherein the base layer (B) comprises from 0 to 30% by weight of poly(m-xylenedipamide), based on the weight of the base layer (B).
5. The polyester film as claimed in claim 1, wherein the melt viscosity of the poly(m-xylenedipamide) is smaller than 2000 poises.
6. The polyester film as claimed in claim 1, wherein the base layer (B) comprises thermoplastic polyester.
7. The polyester film as claimed in claim 6, wherein the thermoplastic polyester of the base layer (B) has one or more of ethylene glycol units and terephthalic acid units, or ethylene glycol units and naphthalene-2,6-dicarboxylic acid units.
8. The polyester film as claimed in claim 6, wherein the polyester of the base layer (B) has isophthalic acid units, terephthalic acid units, and ethylene glycol units.

9. The polyester film as claimed in claim 6, wherein polyethylene terephthalate is used as polyester of the base layer (B).
10. The polyester film as claimed in claim 1, which has an A-B-C layer structure, A and C being overlayers which may be identical or different.
11. The polyester film as claimed in claim 10, wherein the overlayers comprise polyester used for the base layer (B).
12. The polyester film as claimed in claim 1, wherein at least one surface of the film has a gloss greater than 100.
13. The polyester film as claimed in claim 1, which has an oxygen transmission (OTR) smaller than $50 \text{ cm}^3 \cdot \text{m}^{-2} \cdot \text{d}^{-1} \cdot \text{bar}^{-1}$.
14. The polyester film as claimed in claim 1, which has an opacity smaller than 20%.
15. A process for producing a polyester film as claimed in claim 1, encompassing the steps of
 - a) producing a multilayer film by coextrusion and shaping the melts to give flat melt films
 - b) biaxial stretching of the film, and
 - c) heat-setting of the stretched film.
16. A packaging film comprising a polyester film as claimed in claim 1.